

Rationality, Emotions, and Human Reasoning

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As a part of my Ph.D. dissertation, I aim at investigating and reflecting on the following five main questions related to rationality and human reasoning:

- (i) how rationality is related to different modes of reasoning (e.g., inductive, deductive)? can we recognize different accounts for rationality and if so, how they are related? or is there only one account for rationality?
- (ii) what are the state of the art of neuroscientific and psychological explanatory achievements for the question of how rationality works? what scientific mechanisms are known as driving forces for producing rationality in brain? where can we go from there?
- (iii) what role, if any, mathematical and natural languages play in forming human cognition and structure of decision making processes?
- (iv) how different theories of rationality and rational decision making tackle human emotions?